

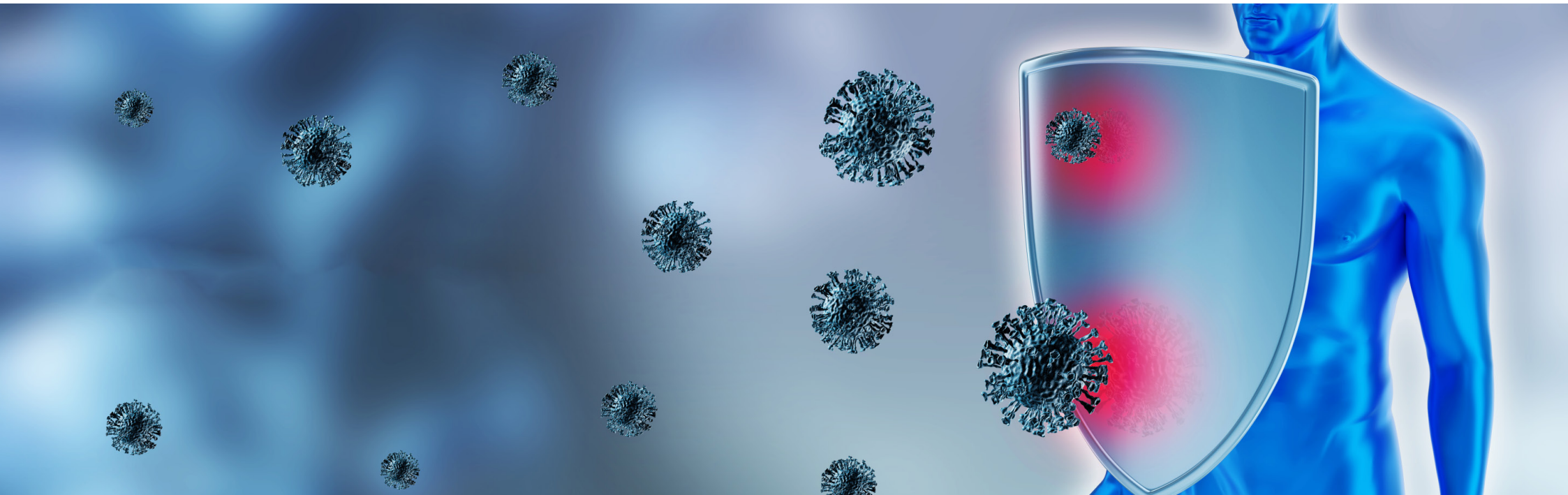


PhoenixDx[®] SARS-CoV-2 Neutralizing Antibody Test Kit

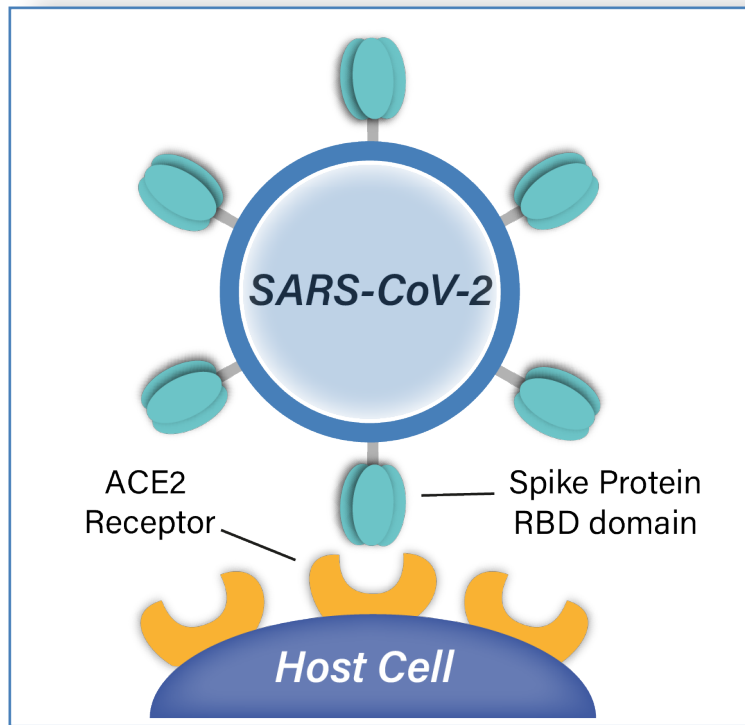
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Infection Mechanism of SARS-CoV-2



- to enter the human host cell, the Receptor Binding Domain (RBD) of SARS-CoV-2 Spike Protein must bind to the angiotensin-converting enzyme 2 receptor (ACE2)
- neutralizing antibodies (nABs) block the RBD-ACE2 binding and prevent the SARS-CoV-2 virus from infecting host cells
- presence of nAbs implies effective immune response against SARS-CoV-2

What is PhoenixDx[®] SARS-CoV-2 Neutralizing Antibody Test Kit?

Why PhoenixDx[®] SARS-CoV-2 Neutralizing Antibody Test Kit?

PhoenixDx[®] - a tool...

to evaluate vaccination strategies

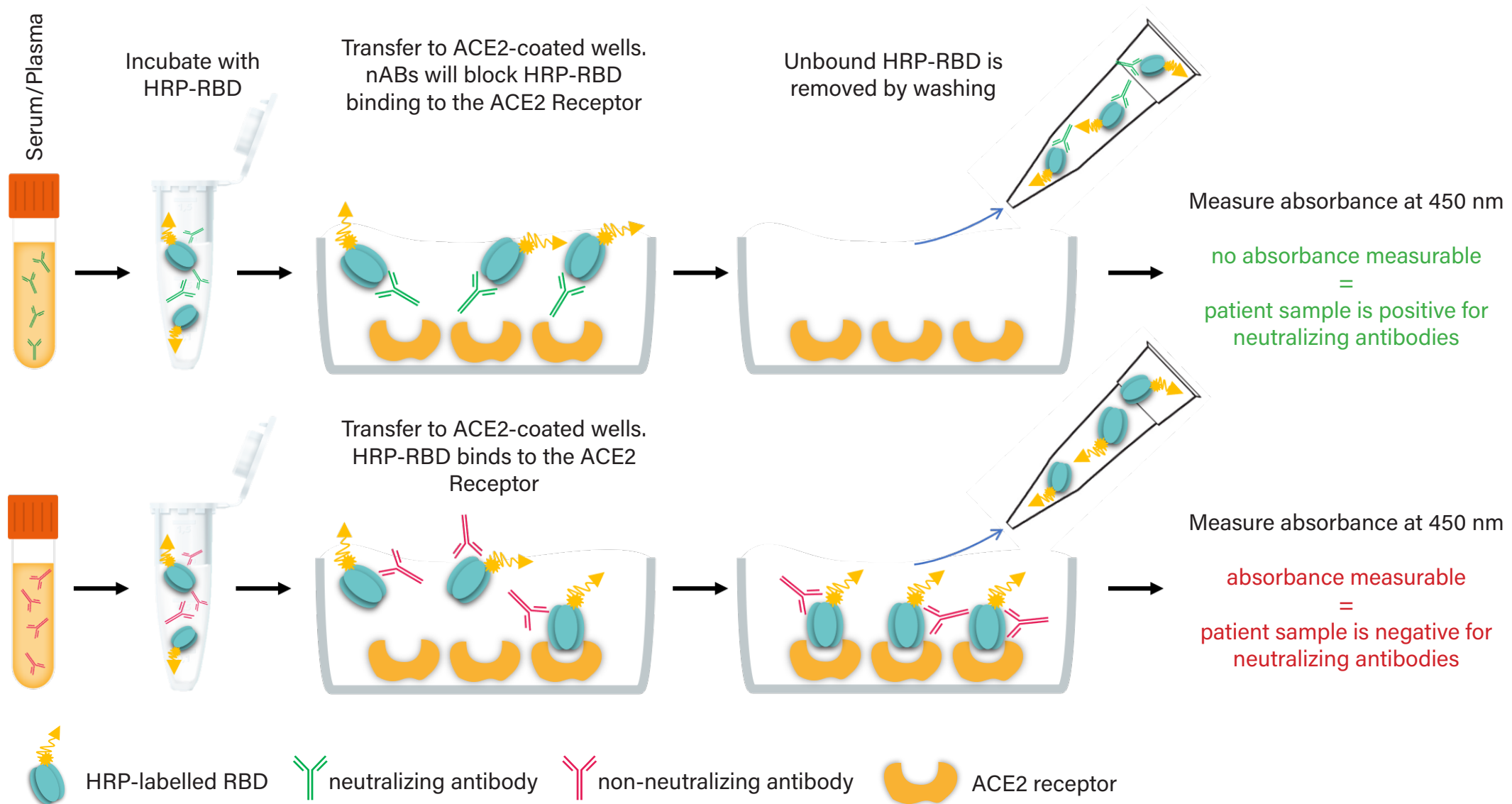
to monitor recovered patients



to determine the immune status
after vaccination

for validation in vaccine
& drug development

How does it work?



What is PhoenixDx[®] SARS-CoV-2 Neutralizing Antibody Test Kit?

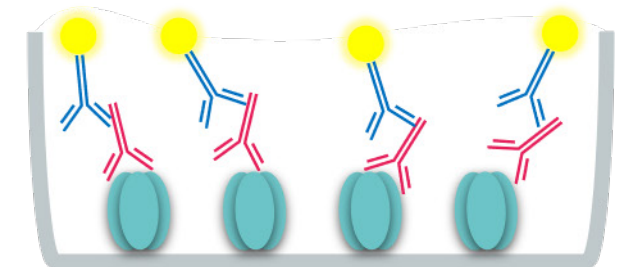
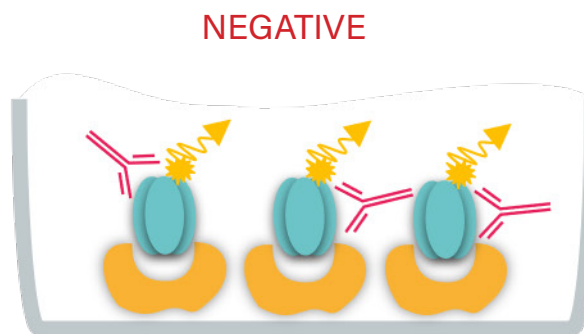
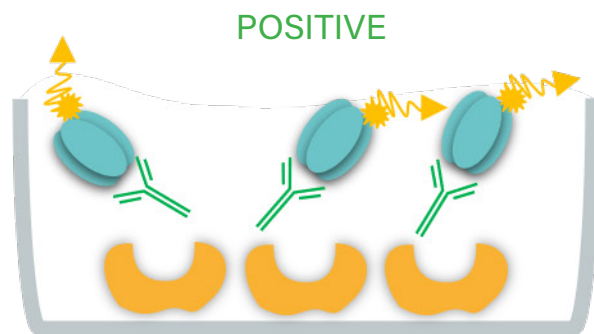
Why PhoenixDx[®] SARS-CoV-2 Neutralizing Antibody Test Kit?

PhoenixDx[®] - only functional nAbs are detected

While regular ELISA Assays detect the entirety of anti-SARS-CoV-2 antibodies, PhoenixDx[®] SARS-CoV-2 Neutralizing Antibody Test Kit detects very specifically only those that prevent the interaction between the receptor binding domain of SARS-CoV-2 spike protein (RBD) and the host cell receptor (ACE2).

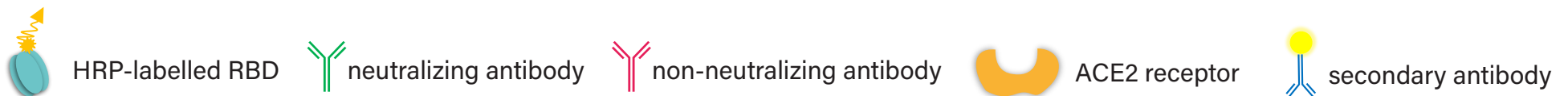
no binding of RBD to ACE2
=
no absorbance reading at 450 nm

binding of RBD to ACE2
=
absorbance reading at 450 nm



PhoenixDx[®] SARS-CoV-2 Neutralizing Antibody Test Kit

regular IgG/IgM ELISA



PhoenixDx[®] - Advantages

Highly Specific

no cross-reactivity with Influenza A/B,
RSV, hCoV , MERS CoV, Dengue,
Zika, HCV, HIV and many others

Species - independent

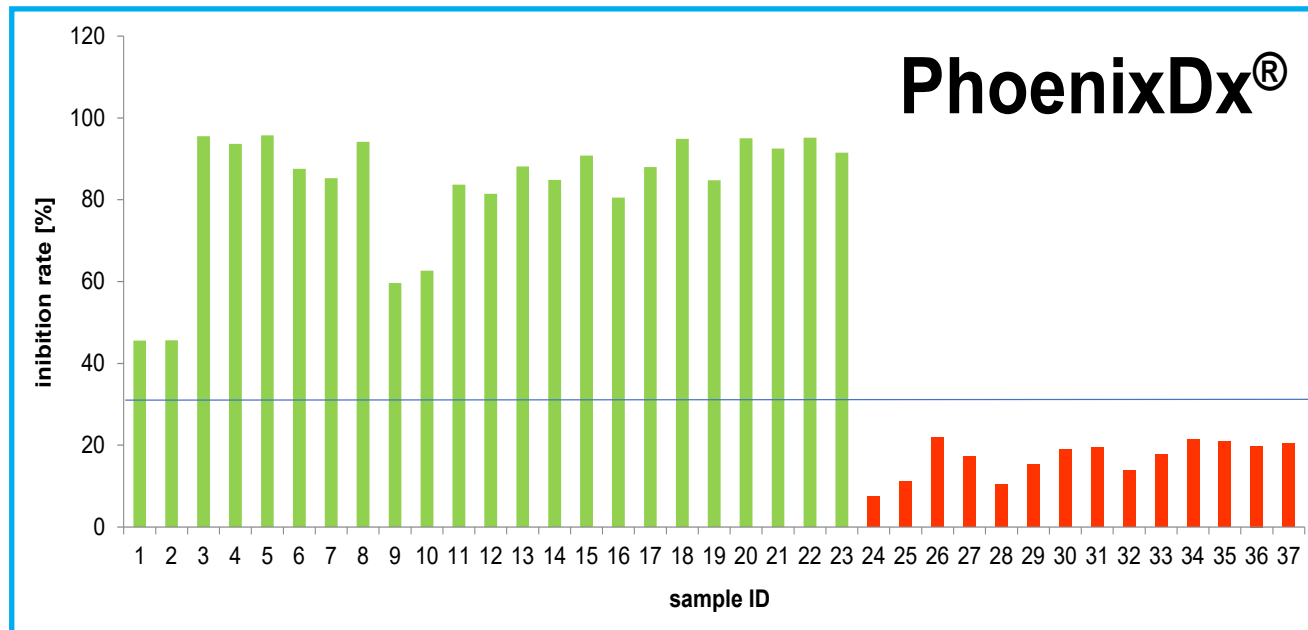
Mouse, non-human primate, rabbit,
bat, dog, cat etc.

Convenient Handling

well-established ELISA Assay System
works with standard laboratory equipment
easy to execute & analyze
fast - 96 reactions in 1 h

PhoenixDx[®] - Performance

The performance of PhoenixDx[®] SARS-CoV-2 Neutralizing Antibody Test Kit was evaluated using the WHO's Anti-SARS-CoV-2 Verification Panel for Serology Assays, NIBSC Code 20/B770, as at 22/09/2020. All samples of the Verification Panel were tested correctly (23 positive and 14 negative samples).



PhoenixDx[®] - Performance

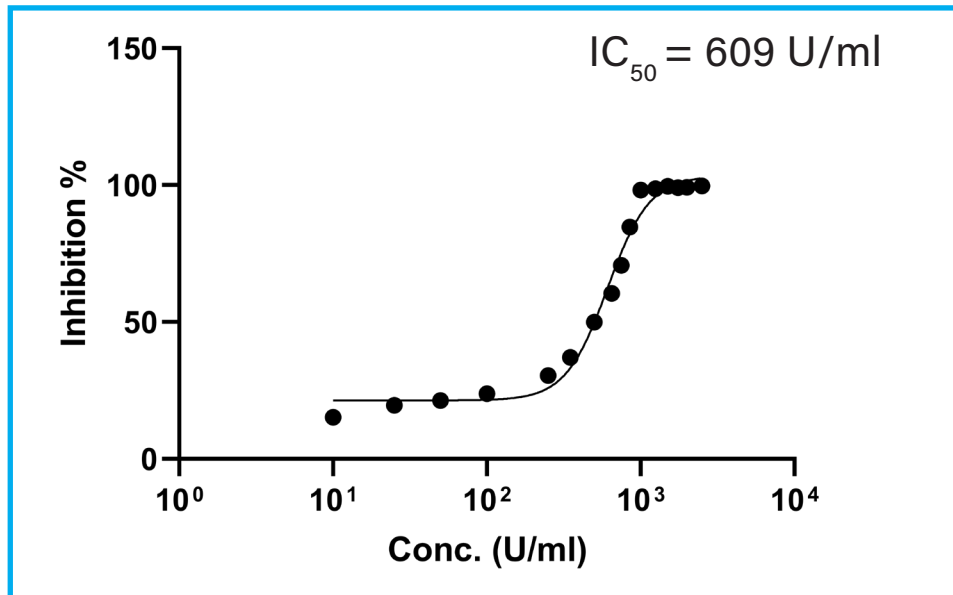
The performance of PhoenixDx[®] SARS-CoV-2 Neutralizing Antibody Test Kit was evaluated against a reference method¹ with 130 patient samples (34 positive samples and 96 negative samples).

PhoenixDx[®] SARS-CoV-2 Neutralizing Antibody Test Kit	Reference Method ¹		
		Positive	Negative
	Positive	34	0
	Negative	0	96
	Positive Percent Agreement	100% (89.72%-100%)	
Negative Percent Agreement		100% (96.23%-100%)	

¹ Plaque Reduction Neutralization Test (PRNT) & WHO qualified calibrator validated surrogate virus neutralization test (sVNT).

PhoenixDx[®] - Coming soon

SARS-CoV-2 Neutralizing Antibody Standard



Check our website at
www.procomcure.com
to stay up-to-date with our latest developments!

Cat.No. PCCSKU20002



PhoenixDx[®] - Contact & Ordering

To order PhoenixDx[®] SARS-CoV-2 Neutralizing Antibody Test Kit and related products,
contact us at

sales@procomcure.com

Stay updated and discover our portfolio for SARS-CoV-2 diagnostics at

www.procomcure.com

